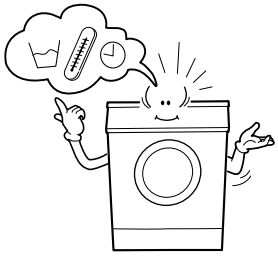
2. FEATURES & TECHNICAL EXPLANATION

2-1.FEATURES

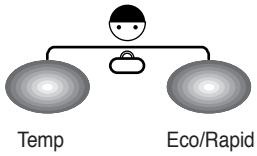
¡ Æ Jumbo drum

LG's jumbo drum can wash about 40% more per load than conventional washing machine. A bigger durm improves the wash performance.



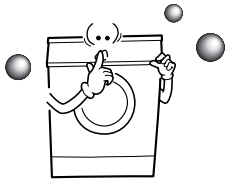
¡ Æ More economical by Fuzzy Logic System

FUZZY Logic System detects the amount of load and water temperature, and then determines the optimum water level and washing time to minimize energy and water consumption.



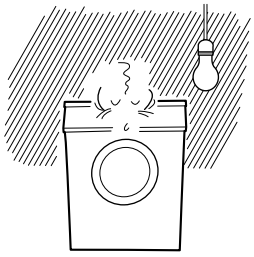
¡ Æ Child-Lock

The Child-Lock system has been developed to prevent children from pressing any button to change the programme during operation.



¡ Æ Low noise speed control system

By sensing the amount of load and balance, evenly distributes load to minimize the spinning noise level.

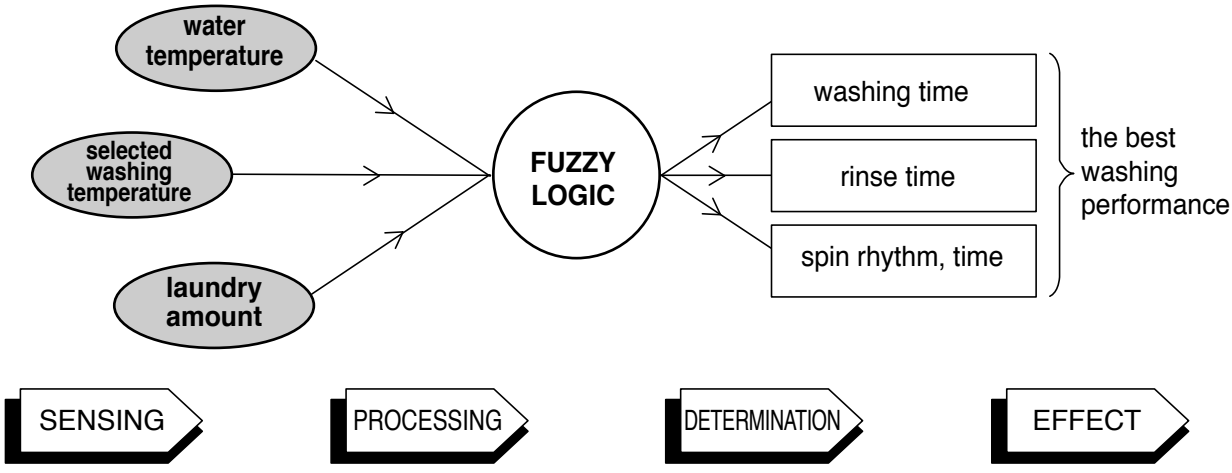


¡ Æ Auto Restart

Although the washing machine is turned off by a power failure, it restarts automatically in its stopped process when power is supplied again. and it will be the same when the machine unplugged in operation is plugged in again.

2-2.DETERMINE WASHING TIME BY FUZZY LOGIC

To get the best washing performance optimal time is determined by sensing of water temperature, selected washing temperature and laundry amount.



2-3.WATER LEVEL CONTROL

- ¡ This model adopts a pressure sensor which can sense the water level in the tub.
- ¡ When the water level reaches to the preset level water supply is stopped, then washing program proceeds.
- ¡ Spinning does not proceed until the water in the tub reduces to a certain level.

2-4.THE DOOR CAN NOT BE OPENED

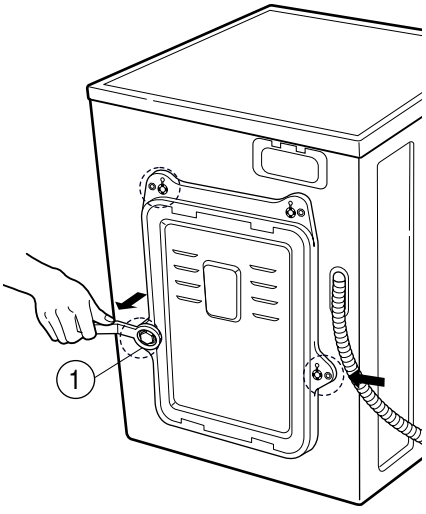
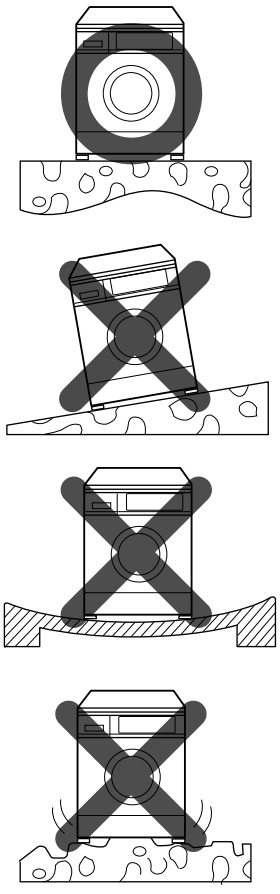
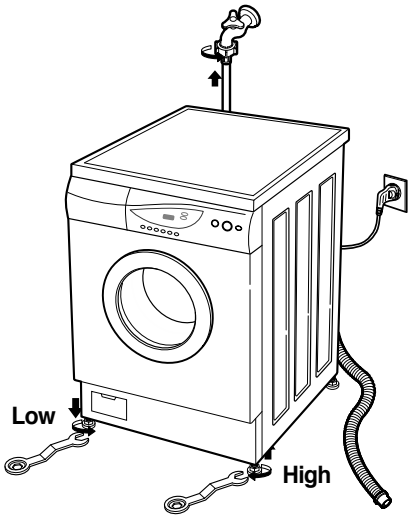
ƒUWhile program is operating.

ƒUWhile Door Lock light turns on.

4. INSTALLATION

¢ Before servicing ask troubles of customers
¢ Check the adjustment(power supply is 220-240V, remove the transit bolts....)
¢Ł Check the troubles referring to the trouble shooting.
¢Ø Decide service steps referring to disassembly instructions.
¢Œ And then, service and repair.
¢º After servicing, operate the appliance whether it works Q K or NOT.

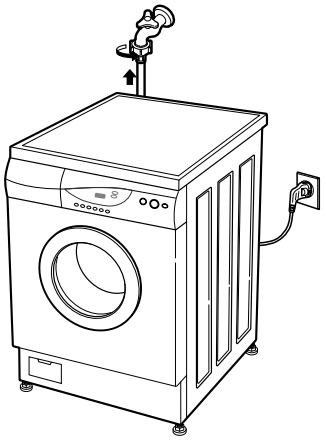
¡Æ STANDARD INSTALLATION
The appliance should be installed as follows.

REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE HORIZONTAL
ƒU Remove the transit bolts (4EA:¤)with supplied spanner. ƒU Keep the transit bolts and spanner for future use. ƒU Insert the 4 caps provided into the hole 		ƒU Turn the leveling feet to set the appliance horizontally.  ƒU The appliance goes up by rotating the feet clockwise. ƒU The appliance come down by rotating the feet counter clockwise.

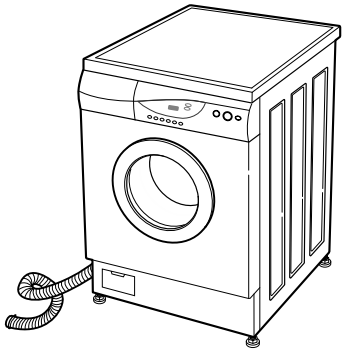
¡Æ HOW TO CONNECT INLET HOSE

ƒUCheck that the rubber packing is inside of the valve connector.

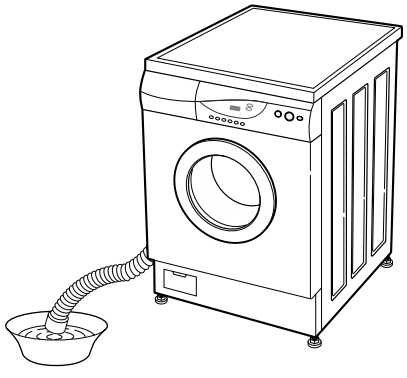
ƒUConnect the inlet hose firmly to prevent leak.



¡ÆCONNECT DRAIN HOSE



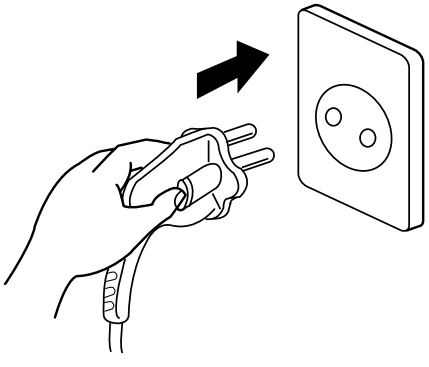
¡/ Make sure that the hose is not twisted.



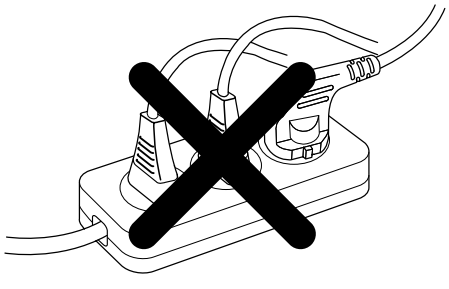
¡/ Avoid submerging the end of the hose.

¡ The drain hose should be placed under 85§flfrom the floor.

¡ÆCONNECT POWER PLUG



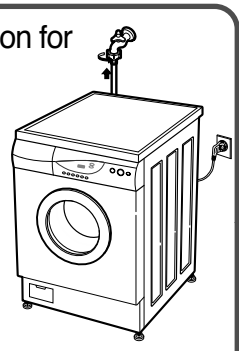
¡/ Connect the power plug to the wall outlet.



¡/ Avoid connecting several electric devices,
It may be the cause of the fire.

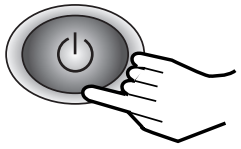
£GTEST OPERATION

1 Preparation for washing.



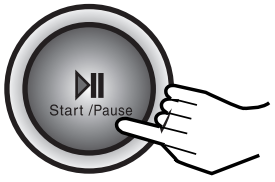
ƒUConnect the power plug to the outlet.
ƒUConnect the inlet hose.

2 Press the power button.

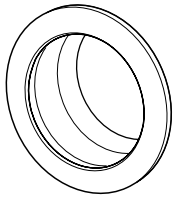


ƒUIn case of Coloreds program.

3 Press the START/PAUSE button.

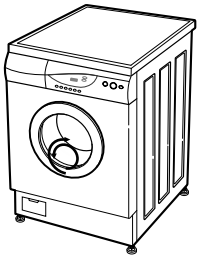


4 Check the water supply.



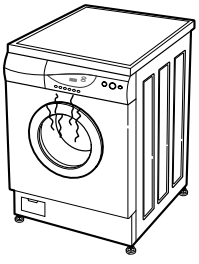
¡ /Check if water is supplied through the detergent dispenser.

5 Check automatic reverse turn.



¡ /Check if the drum rotates clockwise and counterclockwise.

6 Check the water heating.

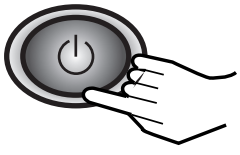


¡ /Press the button¡ ATEMP ¡ B and the present temperature will be displayed.

7 Check drain and spin

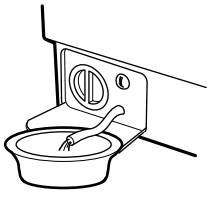
¡ /Turn off Wash and Rinse after pressing the Start/Pause button and start the machine again.
¡ /Check drain and Spin.

8 Power off and open the door



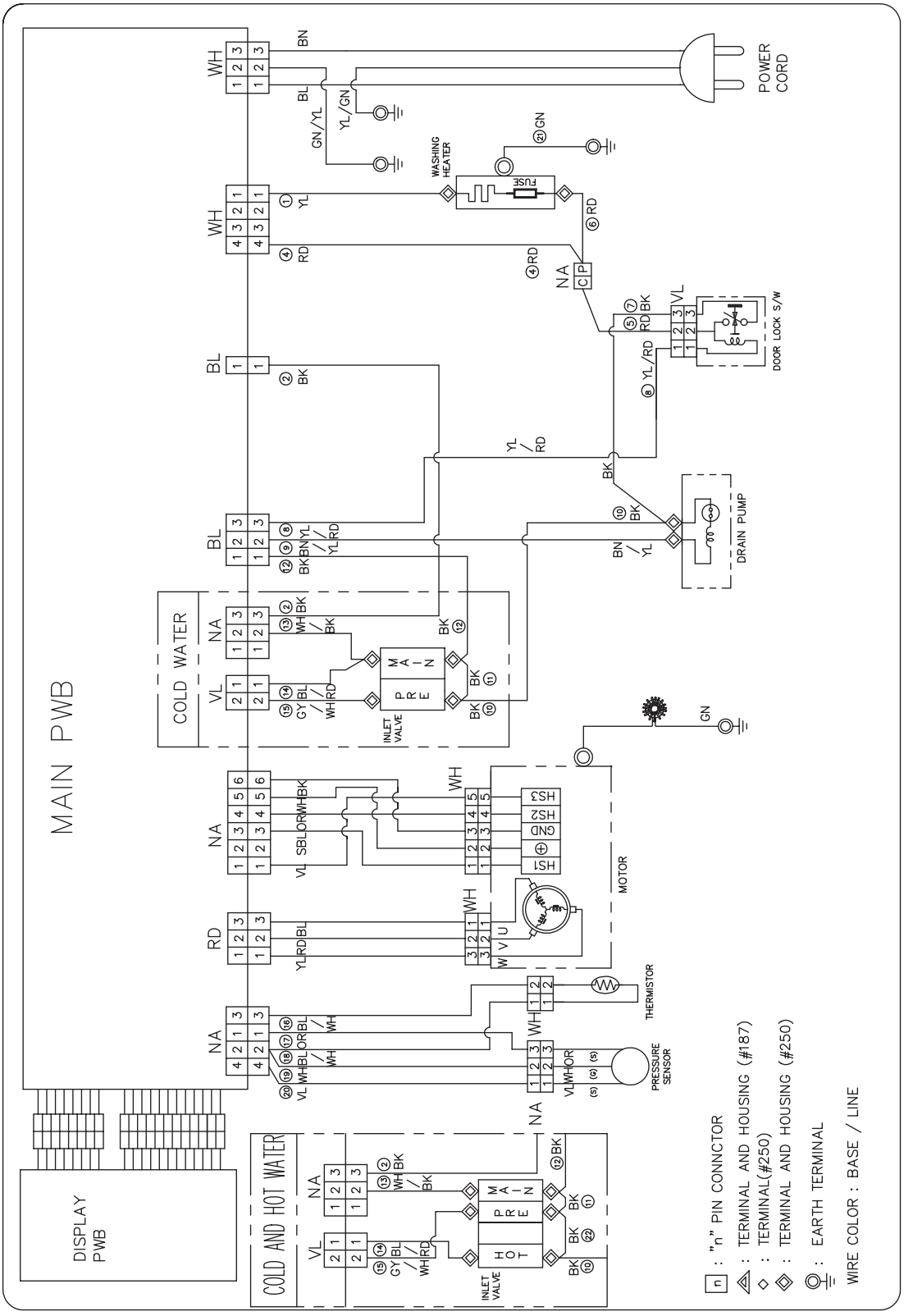
¡ /Power off and then power on.
¡ /Check if the door can be opened after Door Lock lamp turns off.

9 Water removal



¡ /If SVC is needed during check, remove the remaining water by pulling out the hose cap.

6. WIRING DIAGRAM



7. TROUBLE SHOOTING

7-1.BEFORE SVC CHECKING

¡ ÆBe careful of electric shock or disconnecting the parts while trouble shooting.

¡ ÆVoltage of each terminal in AC 220-240V and DC while applying an electric current.

7-2.QC TEST MODE.

¤ Pressing RINSE( ), and SPIN ( )button simultaneously.

¤ŁPower supply ON with pressing upper two button. then buzzer sound twice.

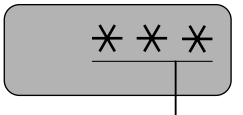
¤ØPress the START/PAUSE ( )button as follows.

¡ æPress the START/PAUSE ( )button more 4 times until stop spinning¡ b

Pressing number of £ START/PAUSE£ button	Checking Point	Display Status
None	All lamps turn on	18:88
1 time	Clockwise spin(right)	Motor rpm(About 45)
2 times	Low speed Spin	Motor rpm(About 63~67)
3 times	High speed Spin	Motor rpm(About 114~117)
4 times	Inlet valve for pre-wash operation	Water level frequency(25~65)
5 times	Inlet valve for main-wash operation	Water level frequency(25~65)
	Hot inlet valve in case of hot water fill	
6 times	Inlet valve for main-wash operation	Water level frequency(25~65)
7 times	Counterclockwise spin(left)	Motor rpm(About 45)
8 times	A Heater is in operation for 3 sec.	Water Temperature
9 times	Draining pump operation	Water level frequency
10 times	Auto off operation	

7-3.HOW TO KNOW THE WATER LEVEL FREQUENCY

ƒRPress the WASH ( ) and RINSE ( ) button simultaneously.



The digits means water level frequency(10^{-1} §)

ex) 241 : Water level frequency = 241 ¡ ¿10^{-1}§

=24.1§

7-4.ERROR DISPLAY.

ƒ U If you press the¡ aStart/Pause ¡ b ⏯ button in error condition, any error except '**PE**' will disappear and the machine will change into pause status.

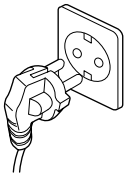
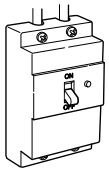
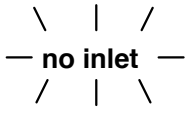
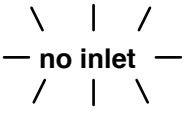
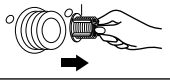
ƒ U In case of¡ G**PE** ¡ H¡ G**tE** ¡ H¡ G**dE** ¡ H if the error is not resolved within 20 sec., and in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error only will be blinked. But in case of¡ G**FE** ¡ H power will not be turned off.

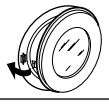
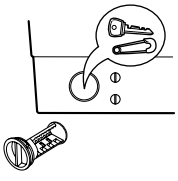
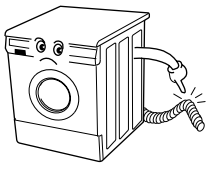
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR	— NO INLET—	§ Water has not reached to the pre-set level within 4 min. since inlet valve operated or water has not reached to the normal level within 25 min.
2	IMBALANCE ERROR	— IMBALANCE —	§ The appliance is tilted. § Laundry is gatherd to one side. § Non distributable things are put into the drum.
3	DRAIN ERROR	—NO DRAIN—	§ Water has not drained enough within 5 min.
4	OVER FLOW ERROR	FE	§ Water is automatically being pumped out because too much water is in the tub.
5	SENSOR PRESSURE S/W ERROR	PE	§ The sensor pressure switch is out of order.
6	DOOR OPEN ERROR	dE	§ The¡ aStart/Pause ¡ b ⏯ button is pressed with the door open. § The door switch is out of order.
7	HEATING ERROR	tE	§ The thermistor is out of order.
8	SENSOR ERROR	5E	§ The connector (5pin, male, white) in the Wire Harness is not connected to the connector (5 pin, female) of Hall Sensor in the MOTOR. ƒ _' reconnect or repair the contact in the connector

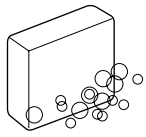
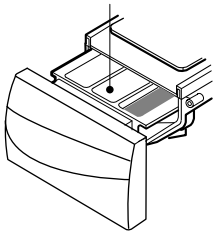
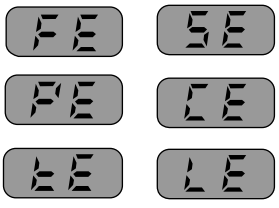
	ERROR	SYMPTOM	CAUSE
8	SENSOR ERROR		• The electric contact between the connectors (5 pin, male in the Wire Harness and 5 pin female in the Hall Sensor) is bad or unstable. ƒ_ Reconnect or repair the contact in the connector • The connector (6 pin, male, natural) in the Wire Harness is not connected to the connector (6 pin, female, natural) of PWB ASSY(Main) or the electric contact of connectors is bad/unstable. ƒ_ Reconnect or repair the contact in the connector • The electric contact between the connectors¡ a6 pin, male in the Wire Harness and 6 pin female in the controller(Main) ¡ lis bad or unstable. ƒ_ Reconnect or repair the contact in the connector • The Wire Harness between Hall Sensor in the MOTOR and PWB ASSY(Main) is cut(open circuited). ƒ_ Repair/replace the damaged WIRE HARNESS • The Hall Sensor is out of order/defective. ƒ_ Replace the Motor • The controller(Main) is out of order/defective. ƒ_ Replace the PWB ASSY(Main)
9	CURRENT ERROR		• PWB ASSY(Main) is out of order ƒ_ Replace the PWB ASSY(Main) • Winding in the MOTOR is short-circuited. ƒ_ Replace the MOTOR
10	LOCK ERROR		• The Connector(3 pin, male, white) in the Wire Harness is not connected to the Connector(3 pin, female, white) of MOTOR. ƒ_ Reconnect or repair the connector • The electric contact between the connectors¡ a3 pin, male, white in the Wire Harness and 6 pin, female, white in the PWB ASSY(Main) ¡ lis bad or unstable. ƒ_ Reconnect or repair the contact in the connector • The Wire Harness between the MOTOR and PWB ASSY(Main) is cut(open circuited). ƒ_ Repair the damaged(open-circuited) WIRE HARNESS • The hall sensor is out of order/defective. ƒ_ Replace the PWB ASSY(Main)

8. ERROR DIAGNOSIS AND CHEK LIST

8-1.DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
NO POWER	Is the power plug connected firmly to AC220-240V outlet? **YES** Power failure? or Breaker opened? **NO** Visit to check  
Water inlet trouble 	Is "no inlet" displayed? **YES** Is the tap opened? **YES** Is the tap frozen? **NO** Is the water supply shut-off? **NO** Is filter in the inlet valve clogged with foreign material? **YES** Clean the filter of inlet valve **NO** Visit to check  

SYMPTOM	GUIDE FOR SERVICE CALL
¥ DOOR OPEN ERROR Refer to 7-4 ERROR DISPLAY	Did you press the ¡ ASTART/PAUSE ¡ B button when the door is open? **YES** → Close the door  **NO** Visit to check **< Check if the door switch is O.K >**
¥ Drain Trouble \ | / — **no drain** — / | \	Is "no drain" displayed? **YES** Is the debris filter clogged with foreign material such as pin, coin and etc.? **YES** → Clean up the filter. **NO** Is the drain hose frozen with water, kinked or crushed? **NO** Visit to check \ | / — **no drain** — / | \  

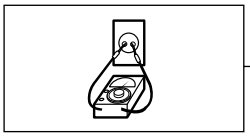
SYMPTOM	GUIDE FOR SERVICE CALL
¥ Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)	Is Low-sudsing detergent for the durm washing machine used? **YES** Is the proper amount of detergent used as recommended? **YES** Recommend to reduce the using amount of detergent.  LOW LATHERING DETERGENT ƒT This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow. ƒT When much suds are sensed, suds removing fuction such as drain, water input and pause will operate without rotating the drum.
¥ No effect of softener	Is softener put in the correct compartment of drawer? **YES** Is the drawer closed during wash? **YES** Is the softener cap clogged? **YES** Explain how to use softener **< Clean the compartment for softener >** Compartment for softener 
	Visit to check

8-2.FAULT DIAGNOSIS AND TROUBLE SHOOTING

CAUTION

1. Be careful of electric shock or disconnecting the parts while trouble shooting.
2. First of all, check the connection of each part terminal with wiring diagram.
3. If you replace the PWB assy(Main), Put in the connectors correctly.

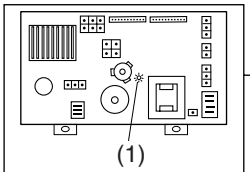
NO POWER



When measuring the voltage of the outlet, is the voltage AC 220-240V?

NO → Check the fuse?

YES

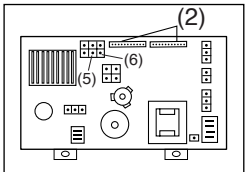


<PWB ASSY (MAIN)>

Is the LED(1) on?

NO → Replace PWB assy (Main)

YES



<PWB ASSY (MAIN)>

When measuring the voltage of natural connector(5,6) is the voltage DC 10~16.5V?

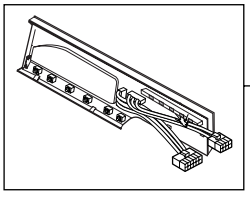
NO → Replace PWB assy(Main)

YES

Is connector(2) disconnected or disassembled?

YES → Reconnect the PWB assy (Display)

NO



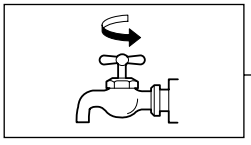
Is wire of the PWB assy(Display) disconnected?

YES → Reconnect the PWB assy (Display)

NO

Replace PWB assy(Display)

NO WATER SUPPLY

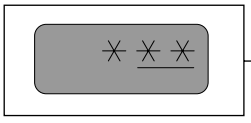


Is the water supply shut-off?

NO

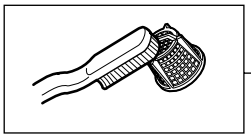
Is the tap opened? **NO** → Open the tap.

YES



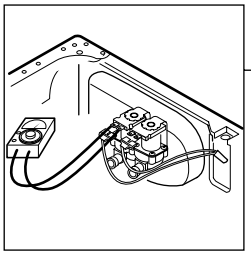
When you press both ¡ AWash ¡ Bbutton and ¡ ARinse ¡ B buttons simultaneously, is the water level frequency below 240? **YES** → Check the chamber(Air) and the tube clogged with impurity.

NO



Is the inlet valve filter clogged with impurity? **YES** → Clean the filter.

NO

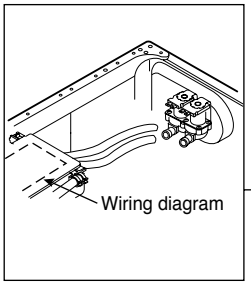


Is resistance of the inlet valve connector between 2 to 8 k§ ? **NO** → Replace the inlet valve.

YES

Check the voltage between each terminal of inlet Valve is AV 220~240V.
(Refer to 7-2 TEST MODE) **NO** → Replace PWB assy(Main)

DETERGENT DOES NOT FLOW IN

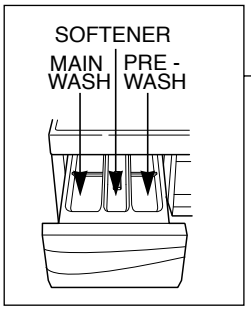


Is water supplied? **NO** → Refer to solution ¡ ANO INLET ¡ B

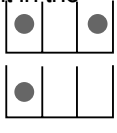
YES

Are replaceptacles correctly connected to the terminals of inlet valve? **NO** → Check the wiring on the dispenser.

YES



Is detergent put in the correct compartment of the drawer? **NO** → Put the detergent in the correct position



PRE+MAIN

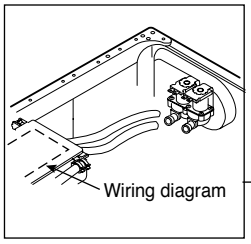
MAIN WASH

● : Detergent

YES

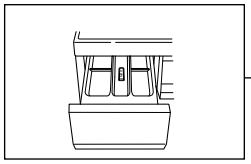
Is the detergent hardened? **YES** → Clean the drawer.

SOFTENER DOES NOT FLOW IN

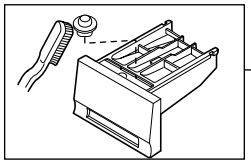


Is water supplied?
- NO → Refer to ¡ANO WATER SUPPLY¡B
- YES ↓

Are receptacles correctly connected to the terminals of inlet valve?
- NO → Check the wiring on the dispenser.
- YES ↓

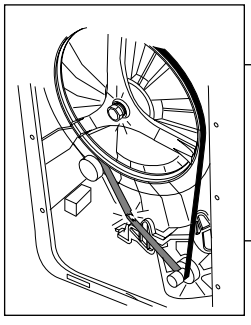


Is softener put in the correct compartment of drawer?
- NO → Put it in the correct compartment.
- YES ↓



Is the softner cap clogged?
- YES → Clean the cap and drawer.

ABNORMAL SOUND

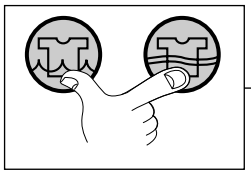


Is the pulley bolt loosened?
- YES → Fix the bolt tightly.
- NO ↓

Is the belt worn?
- YES → Replace the V-belt (4400FR3116A)
- NO ↓

Is there friction noise from the motor?
- YES → Replace the motor.

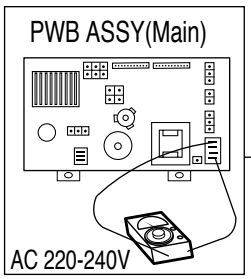
HEATING WITHOUT WATER



When pressing WASH ( ) and RINSE ( )button at the same time after draining, is the water level frequency 252 or more?
When pressing WASH ( ), RINSE ( ) buttons at the same time while wash, is the water level frequency between 220~240?

NO → Replace the sensor (pressure)

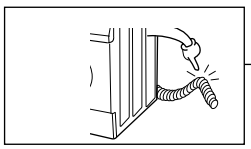
YES



Checking voltage between two pins as press the power Button is the voltage AC 220~240V?

NO → Replace the PWB assy (Main)

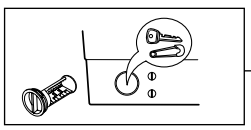
DRAIN MALFUNCTIONING



Is the drain hose twisted or frozen?

YES → Repair drain hose

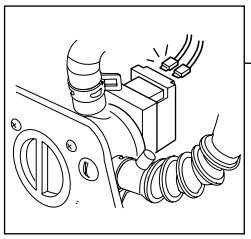
NO



Is the impeller of drain pump clogged?

YES → Remove foreign material.

NO



Is the connector disconnected, disassembled?

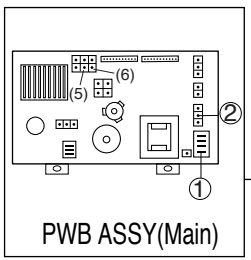
YES → Reconnect or repair the connector

NO

Is the coil of drain pump cut-off?
(resistance of coil is 90~160¥)

YES → Replace the pump assy

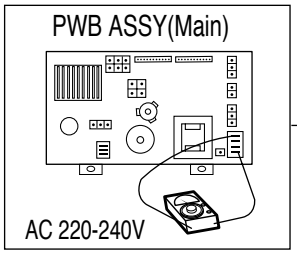
NO



When checking voltage between connectors (¥L, ¥M)on spinning, is the voltage AC 220-240V as the figure?

NO → Replace the PWB assy (Main)

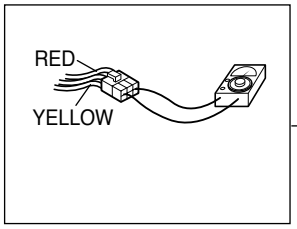
WASH HEATER TROUBLE



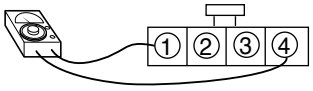
When checking the voltage between connector the PWB assy(Main)during whites washing ,Is the voltage 220 ~ 240V?

NO → Replace the PWB assy (Main)

YES ↓

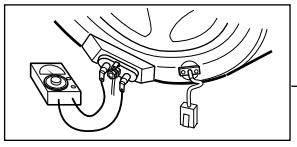


After power off,is the resistance of wire (RED-YELLOW) connectors between 10Ω to 30Ω?



YES → Normal

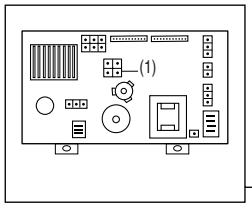
NO ↓



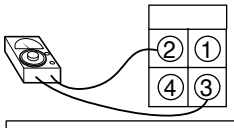
After power off and the heater terminal is disconnected, is the resistance 10 to 30Ω?

NO → Replace the heater assy

HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE

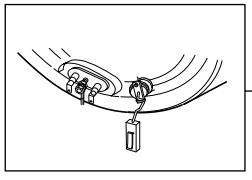


When disconnect the connector(1) on the PWB assy (Main) is the resistance of the Natural connectors¡ a¤Ł(Blue/White, Violet), ¤Ø(Blue, White) ¡Þbetween 2.5k¥ to 180k¥ (105¡ ~0¡)?



NO → Replace the thermistor (6322FR2046B)

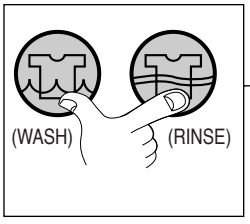
YES ↓



When checking thermistor on the tub cover, is the thermistor loosened above 2mm from the rubber?

YES → Push the thermistor tightly to the rubber.

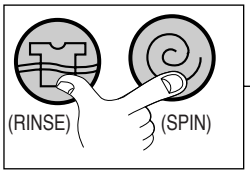
SPIN TROUBLE



Check on the spinning, is the frequency of the water level 248 or more. The frequency can be checked by pressing the WASH ( ) and RINSE ( ) buttons at the same time on the program.

NO → Check the sensor (Pressure) or hose (Sensor).
If the problem is on the sensor or the hose, replace the sensor or the hose.

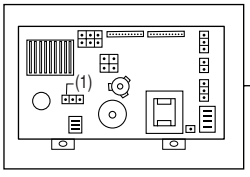
YES



When pressing RINSE( ), SPIN( ) and POWER( ) buttons at the same time after power off, press the START/PAUSE ( )button 2 times, is the drum low speed spin?

YES → Normal

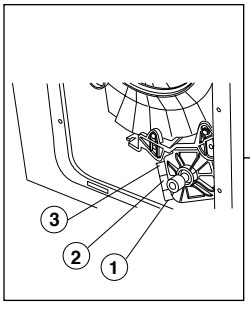
NO



Is it disconnected, or disassembled?
¡ aRed:3pin(1) ¡ b

YES → Correct the connector.

NO



Check the motor connector, is the resistance of the terminal same as the figure?

MOTOR TERMINAL

¤	¤Ł	¤Ø

Resistance of terminal:
¤ ~ ¤Ł / ¤Ł~ ¤Ø / ¤Ø~ ¤ : About 6.5§

NO → Replace the motor assy. (4681FR1241B)

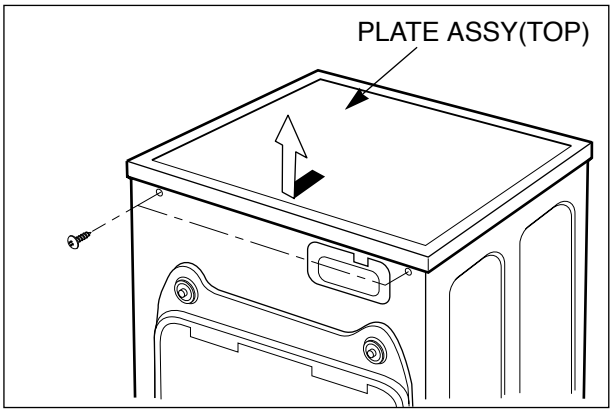
YES

Replace the PWB assy (Main)

9. DISASSEMBLY INSTRUCTIONS

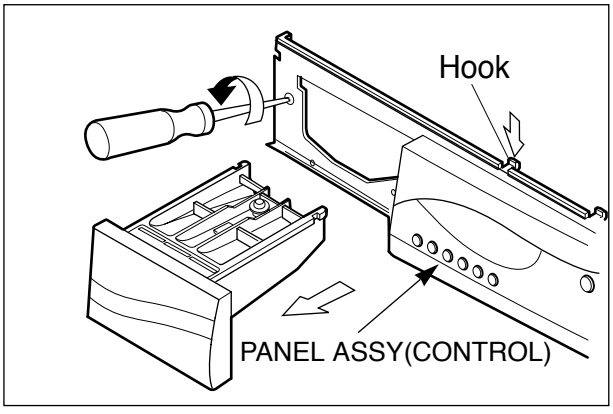
ƒRBe sure to unplug the machine out of the outlet before disassembling and repairing the parts.

CONTROL PANEL



¤ Unscrew 2 screws on the back of the top plate.

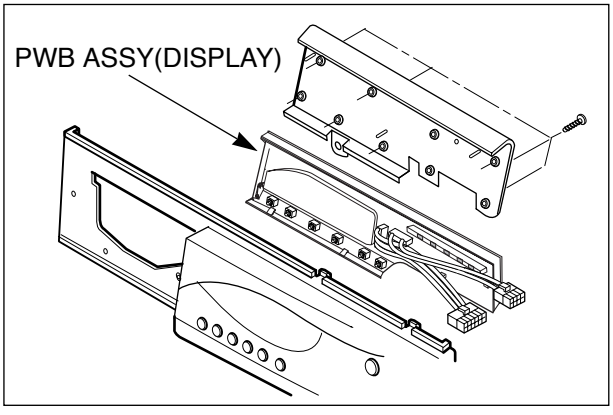
¤Ł Pull the top plate backward and upward as shown.



¤ Disconnect the PWB assy (Display) connector.

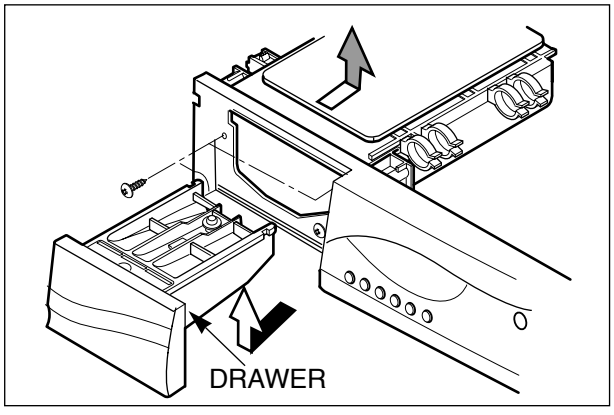
¤Ł Pull out the drawer and unscrew 3 screws.

¤Ø Push 2 upper hooks down and pull the control panel.



¤ Disconnect the PWB assy (Display) from the control panel by unscrewing 9 screws.

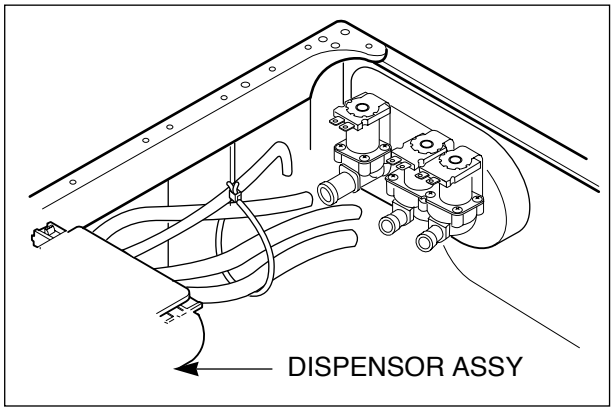
DISPENSER ASSY



¤ Disassemble the top plate assy.

¤Ł Pull out the drawer slightly upward.

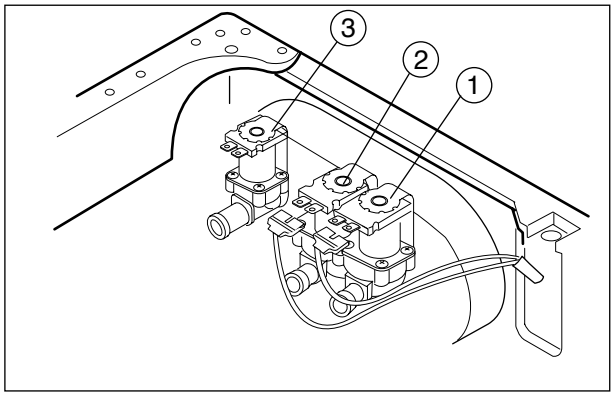
¤Ø Unscrew 2 screws.



¤ Disassemble hose clamps and hoses

¤Ł Disassemble ventilation bellows and water inlet bellows from tub.

INLET VALVE



¤ Disconnect the wiring connector.

¤Ł Unscrew 2 screws from the back.

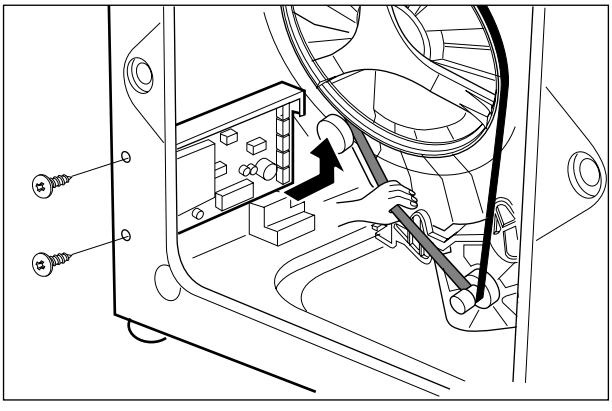
ƒ The When reconnecting the connector

VALVE#1(MAIN)	White/Black - Black
VALVE#2(PRE)	Gray/ White - Black

VALVE#3(HOT)	Blue/Red-Black

¡ a WD-1253FH / WD-1255FH ¡ b

PWB ASSY(MAIN)

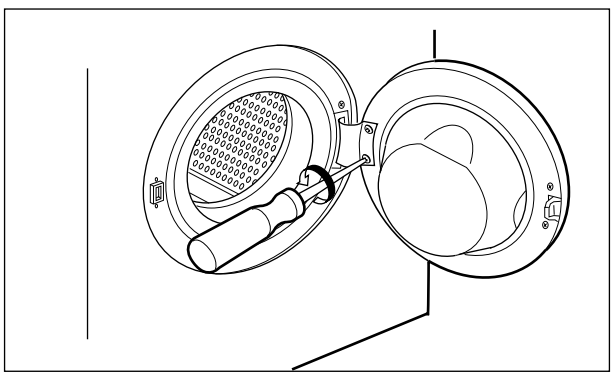


¤ The back cover is removed.

¤Ł Unscrew 2 screws

¤Ø Pull the PWB assy (Main) as shown.

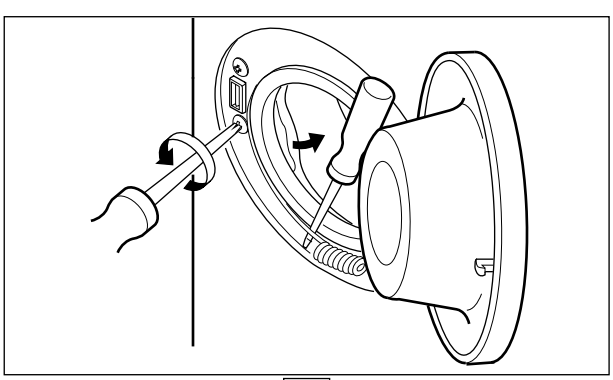
DOOR



¤ Open the door completely.

¤Ł Remove the two screws from the hinge.

GASKET ASSY

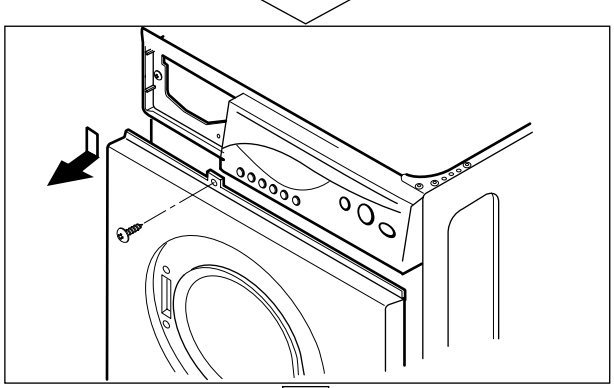


¤ Take apart the cabinet gasket clamp.

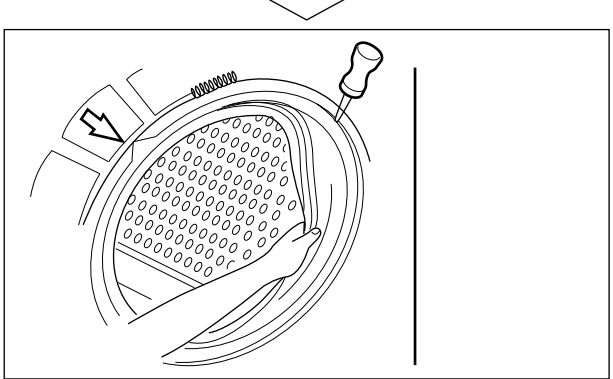
¤Ł Unscrew 2 screws from the cabinet cover.

¤Ø Open the lower cover cap and unscrew 1 screw inside

¤Œ Take apart the lower cover



¤ Unscrew all the screws on the upper and lower sides of the cabinet cover.

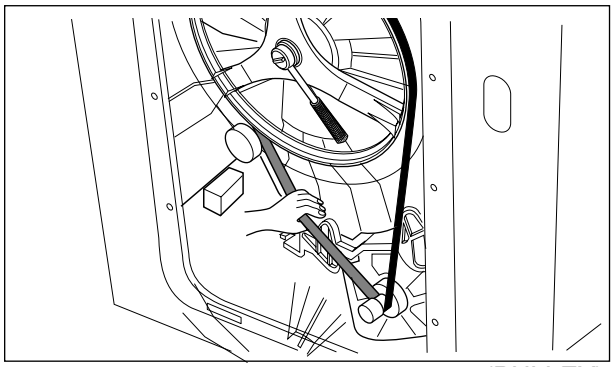


¤ Take apart the tub gasket clamp

¤Ł Make sure that the drain hole of the gasket is put beneath when reassembling the gasket.

¡ Refer to the arrow mark on the tub cover.

PULLEY, MOTOR, DAMPER

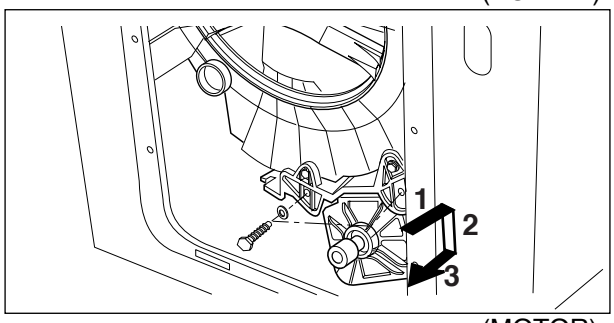


(PULLEY)

¤ Remove the back cover.

¤Ł Take off the belt turning the pulley.

¤Ø Unscrew the bolt to pull out the pulley.

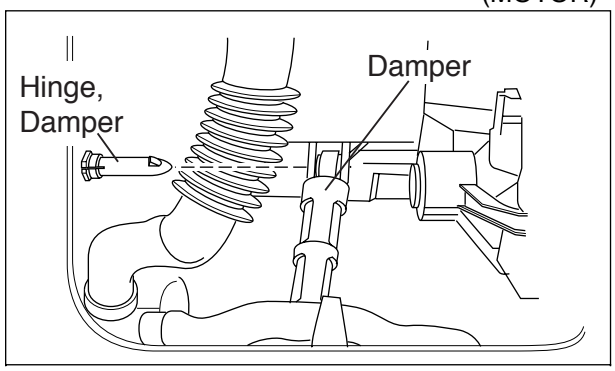


(MOTOR)

¤ Unscrew 2 screws from the bracket.

¤Ł Push the motor in the arrow direction for disassembling.

¤Ø When reassembling the motor, make sure that motor mounting rubbers are not taken off from the bracket.

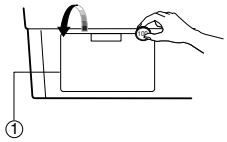


(DAMPER)

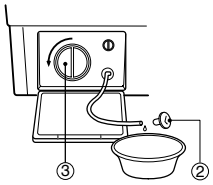
¤ Pull out the hinge pressing its snap.

¤Ł Do not use the pulled out hinge again..it may be taken off during operation.

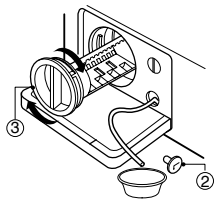
§ Clean the drain pump filter



Open the lower cover cap (¥L) by using coin.

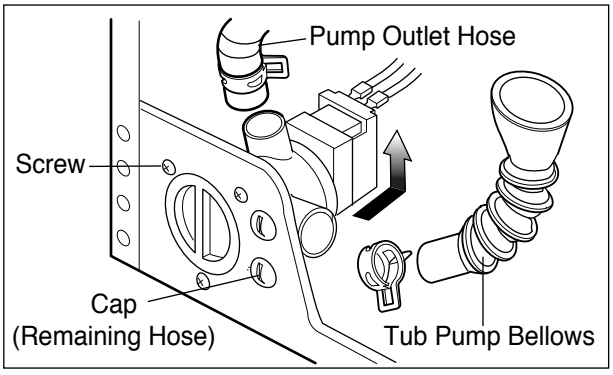


Unplug the drain plug (¥M) , then the water flows out,
At this time use a vessel to prevent water flowing on the floor. If the water does not flow any more,turn the pump filter (¥N) open to the left.
Take out any foreign material



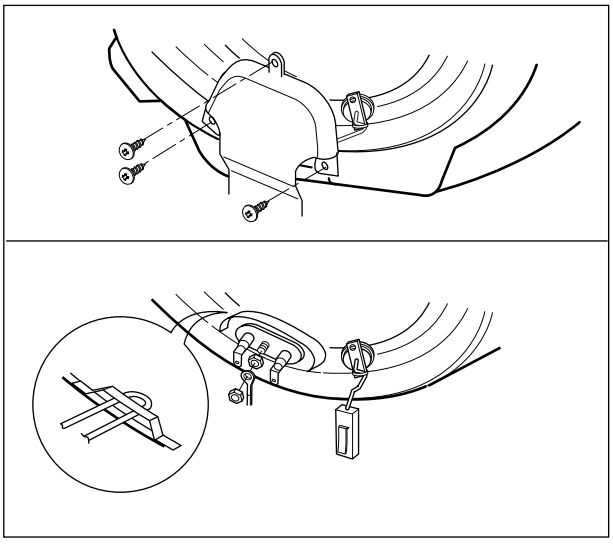
from the pump filter (¥N). After cleaning, turn the pump filter(¥N) clockwise and insert the drain plug (¥M)to the original place. close the lower cover cap.

PUMP



¤ Remove pump outlet hose.
¤Ł Remove tub pump bellows.
¤Ø Remove cap(Remaining Hose.)
¤Œ Disconnect the wiring.
¤º Unscrew 3 screws
¤ Remove the pump.

HEATER

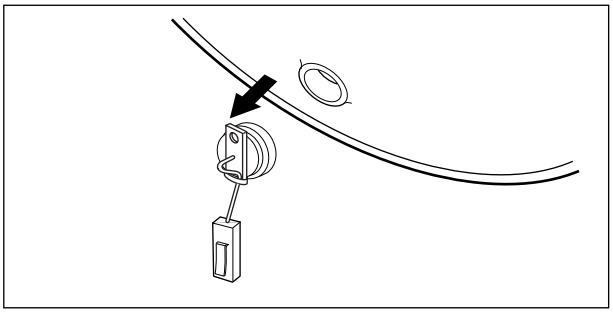


¤ Unscrew 3 screws fixing the heater protecting cover.
¤Ł Loosen the M6 heater nut to pull out the heater.

CAUTION

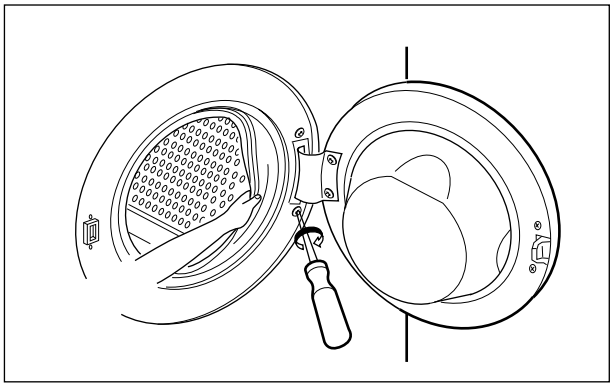
When mounting the heater, be sure to insert the heater into the heater clip on the bottom of the tub.

THERMISTOR



¤ Pull it out by holding the thermistor bracket.
ƒT If it is pulled by the wire, it may be broken.
¤Ł When mounting the thermistor again, make sure that it is got back tight to the rubber.

DOOR HINGE ASSY



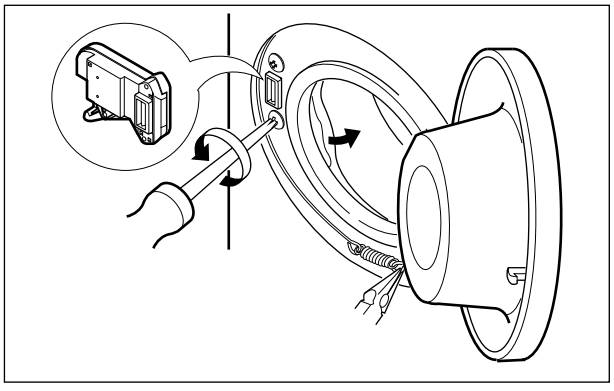
¤ Disassemble the door from the door hinge.

¤Ł Take apart the cabinet cover clamp and release the gasket.

¤Ø Unscrew 2 screws on the door hinge.

¤Œ Push the door hinge arm to the inside of the cabinet cover for disassembling.

SWITCH ASSY, DOOR LOCK

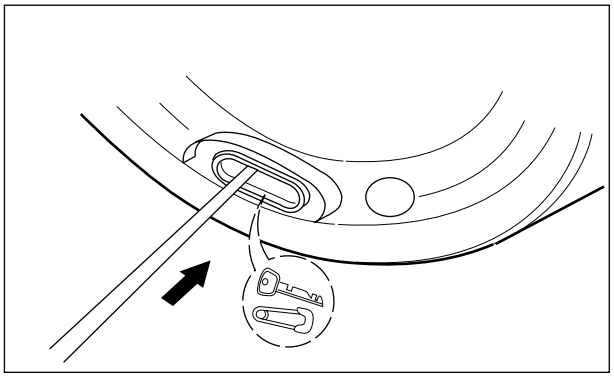


¤ Take apart the cabinet cover clamp and release the gasket.

¤Ł Unscrew 2 screws holding the Door Lock.

¤Ø Disconnect the door lock from the wiring connector.

WHEN FOREIGN MATERIAL IS STUCK BETWEEN DRUM AND TUB

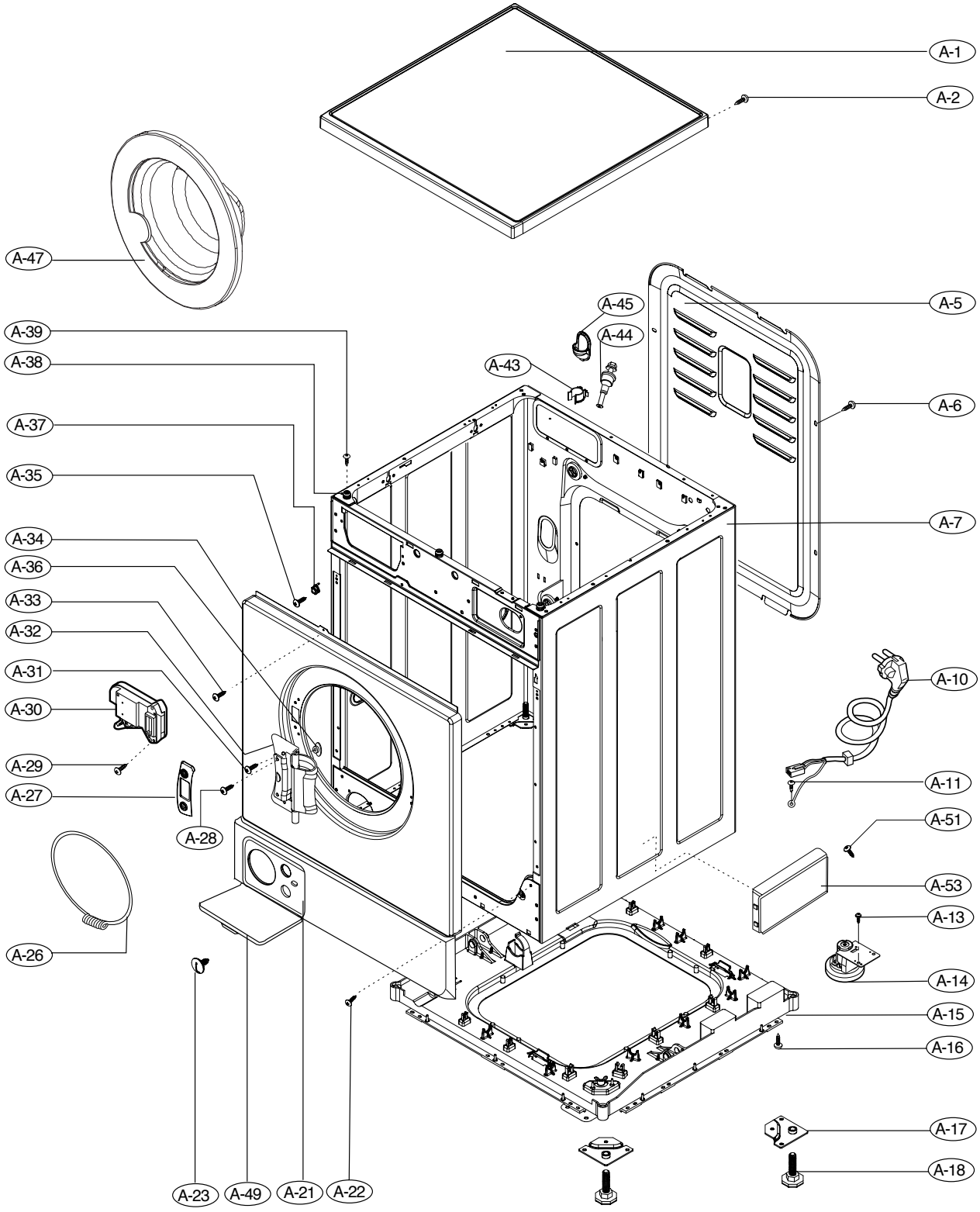


¤ Remove the heater.

¤Ł Remove the foreign material (wire, coin and others) by inserting a long bar through the hole.

10. EXPLODED VIEW AND PART LIST

10-1.THE PART LIST OF CABINET ASSY

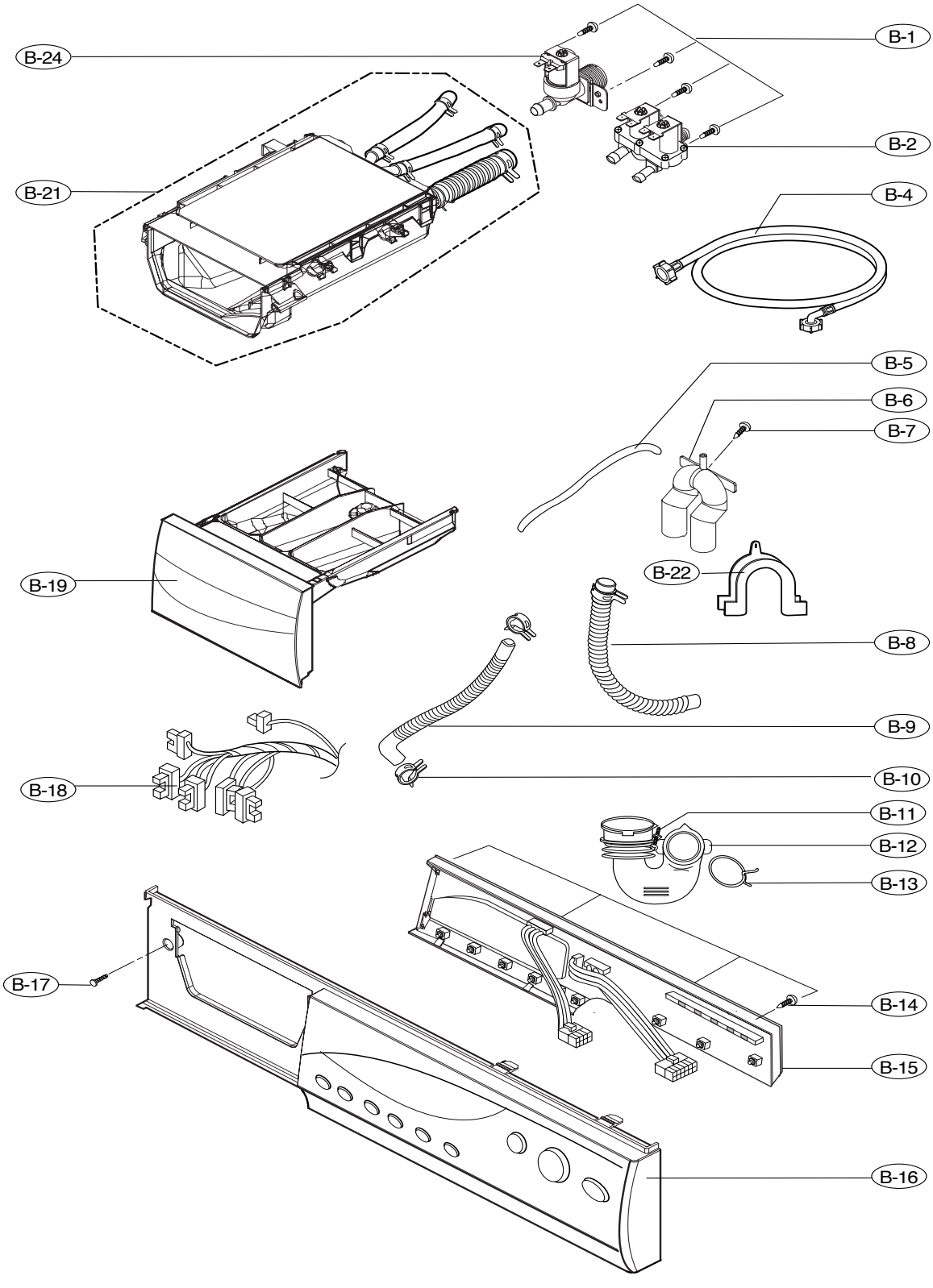


¡ÆTHE PART LIST OF CABINET ASSY

L/No.	PART NAME	PART NO.	SVC CORD	Q¡TY	SPEC
A-1	PLATE ASSY(TOP)	3301ER1001	R	1	
A-2	SCREW, TAPPING TRUSS HEAD	1TTL0403018		2	
A-5	BACK COVER	3808FR1202A		1	
A-6	SCREW, TAPPING TRUSS HEAD	1TTG0402618		4	
A-7	CABINET ASSY	3901FR0045		1	
A-10	POWER CORD ASSY	6411FR1169B		1	C-4-2
	*See Appendix(type of power cord)	6411FR1169D		1	S-2-1
		6411FR1169E		1	B-5
		6411FR1169F		1	B-3
		6411FR1169K	R	1	B-3(BSI)
		6411FR1169L		1	B-3(SISIR)
		6411FR1169N		1	C-4-2
		6411FR1169P		1	S-2-3
		6411FR1169Q		1	S-2-1
A-11	SCREW	4000W4A003A		4	
A-13	SCREW, TAPPING TRUSS HEAD	1TTG0402618		1	
A-14	SENSOR PRESSURE	6600FR1704S	R	1	
A-15	BASE	3040FR0049A		1	
A-16	SCREW, TAPPING TRUSS HEAD	1TTG0403018		24	
A-17	BRACKET, BASE	4810FR4136A		4	
A-18	FEET ASSY	5413FR4154A	R	4	
A-21	COVER, LOWER	3550FR1166	R	1	
A-22	SCREW, TAPPING TRUSS HEAD	1TTL0402618		3	
A-23	CAP(REMAINING HOSE)	5006FR3146		1	
A-26	CLAMP ASSY, CABINET GASKET	2W20017A		1	

L/No.	PART NAME	PART NO.	SVC CORD	Q¡TY	SPEC
A-27	GUIDE	4974FR4145		1	
A-28	SCREW	4000FD4191A		2	
A-29	SCREW, TAPPING(+ TRUSS HEAD £	1TTL0403032		2	
A-30	SWITCH ASSY, DOOR LOCK	6601ER1001A	R	1	220-240VAC
A-31	SCREW	4000FD4191A		2	
A-32	HINGE ASSY	4775FR2114B		1	
A-33	SCREW, TAPPING(+ TRUSS HEAD £	1TTL0403032		1	
A-34	COVER, CABINET	3550FR1213		1	
A-35	SCREW, TAPPING(£ PAN HEAD £	1TPL0402618		2	
A-37	HOLDER	4930FR4157A		2	
A-38	HOLDER	4930ER4001A		3	
A-39	SCREW, TAP TITE(S(PAN HEAD £	1SCPF040327		3	
A-43	HOLDER	4930FR3151A		1	
A-44	BOLT ASSY, TRANSIT	4011FR3159A		4	
A-45	BUSHING	4830FR3107		1	
A-47	DOOR ASSY	3581ER1001B		1	
A-49	LOWER COVER CAP	5006FR3179		1	
A-51	SCREW TAPPING(+ TRUSS HEAD£	1TTL0403018		2	
A-53	PWB ASSY(MAIN)	6871EC1008	R	1	220-240VAC

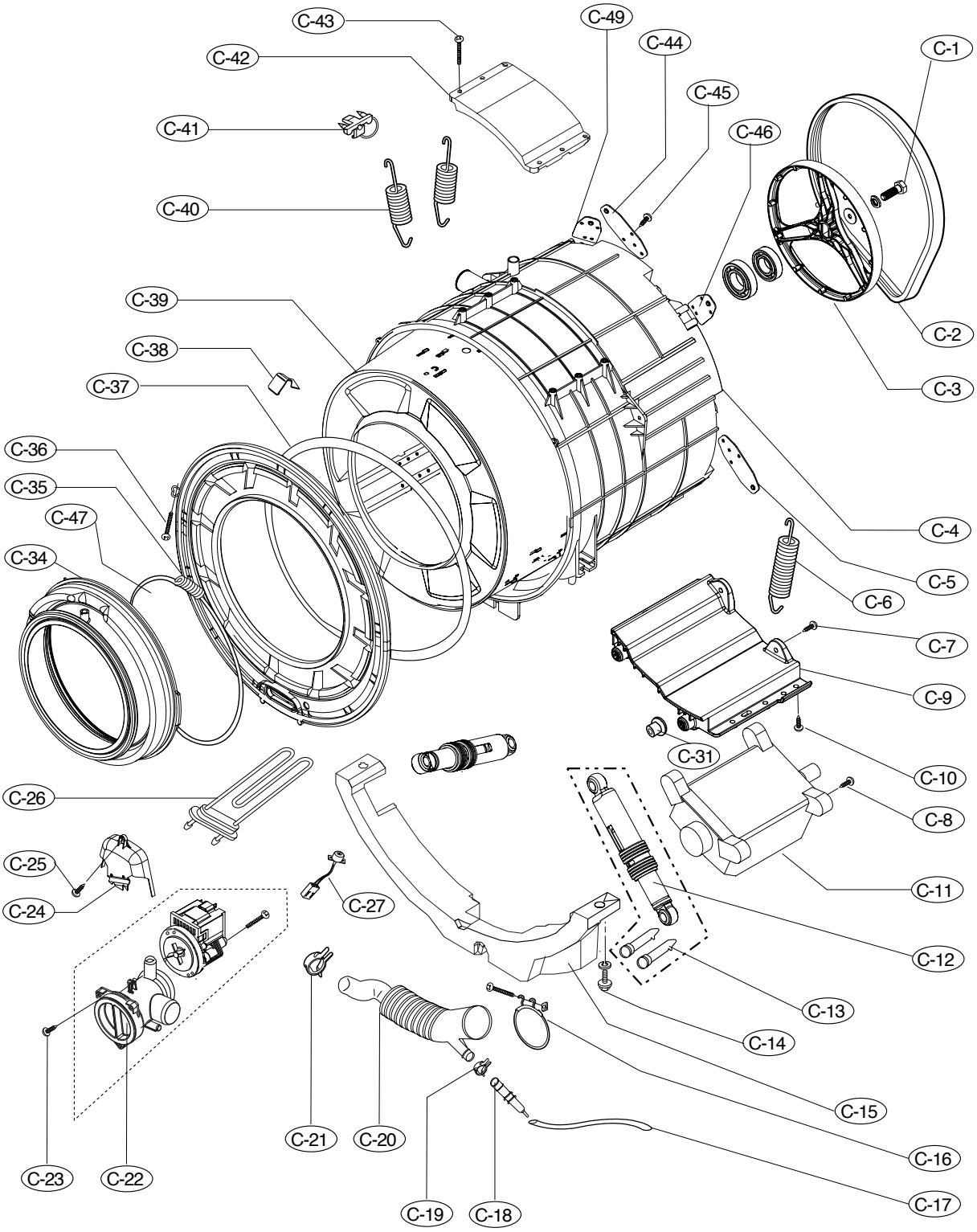
10-2 THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSY



¡ÆTHE PARTS LIST OF CONTROL PANEL & DISPENSER ASSY

L/No.	PART NAME	PART NO.	SVC CORD	Q¡TY	SPEC
B-1	SCREW, MACHINE£ PAN HEAD £	1SCPF040268			
B-2	VALVE	5220FR3067A	R	1	220-240VAC
		5220FR1251A	R	1	220-240VAC (SEMKO)
B-4	HOSE ASSY, INLET	5214FA1146	R	1	
		5215FD3715	R	1	VDE(IMQ)
		3W40102	R	1	VDE(IMQ)
B-5	HOSE	5214FR4125B		1	
B-6	CONNECTOR (MECH), DRAIN HOSE	4932FR3156A		1	
B-7	SCREW, TAPPING£ TRUSS HEAD£	1TTG0402618		1	
B-8	HOSE ASSY, DRAIN	5214FR3188A	R	1	
B-10	CLAMP	4861FR3068C		2	
B-11	CLAMP	4860FR3092D		1	
B-12	BELLOWS	4738FR2065A	R	1	
B-13	RING, SNAP	3W500120		1	
B-14	SCREW	4W51132A		9	
B-15	PWB ASSY(DISPLAY)	6871FC2002B	R	1	
B-16	PANEL ASSY, CONTROL	3721ER1003	R	1	
B-17	SCREW, TAPPING£ TRUSS HEAD £	1TTL0403532			
B-18	LEAD WIRE ASSY	6877ER1002C		1	MAIN
		6877ER1002D		1	MAIN(Hot)
		6877ER1192B	R	1	MOTOR~PWB
		6877FC2261B		1	DISPLAY~PWB
B-19	PANEL ASSY, DRAWER	3721ER1002	R	1	
B-21	DISPENSER ASSY	4925FR1137F	R	1	
		4925FR1137G		1	HEATING
B-22	DRAIN HOSE HANGER	3W50712A		1	
B-24	VALVE	5220FR1280A	R	1	220-240VAC (HEATING)
B-25	HOSE, PUMP	5214FR3188A	R	1	

10-3 THE EXPLODED VIEW OF DRUM & TUB ASSY

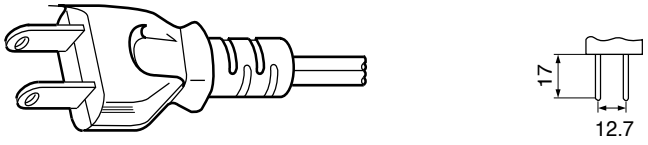
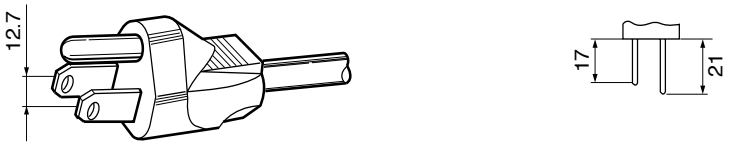
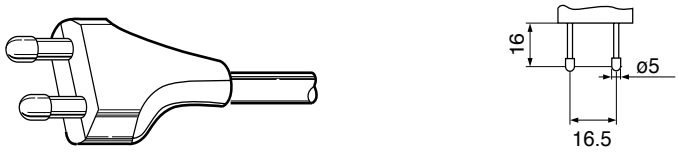
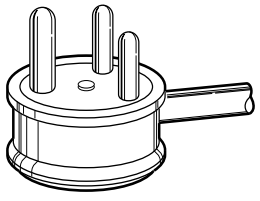
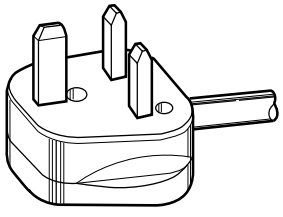
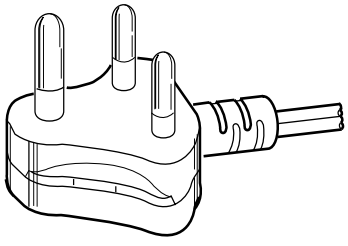
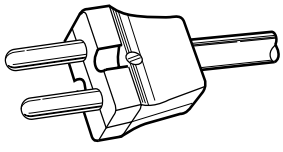


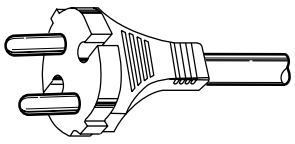
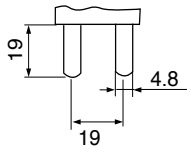
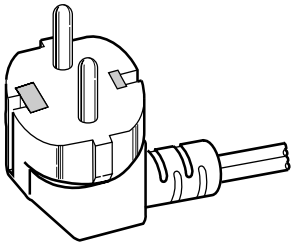
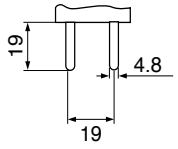
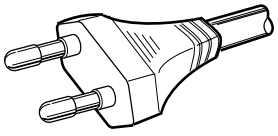
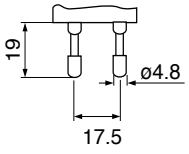
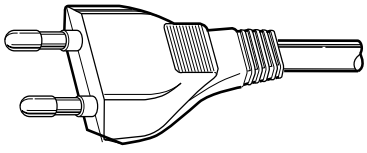
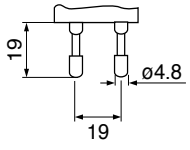
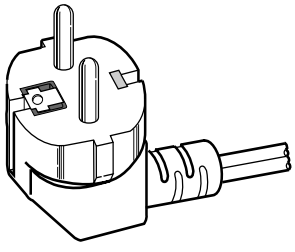
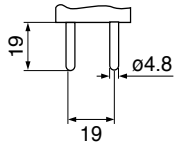
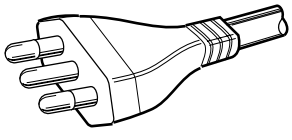
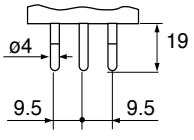
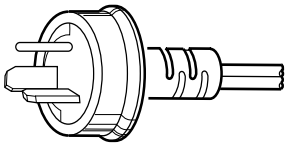
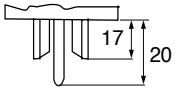
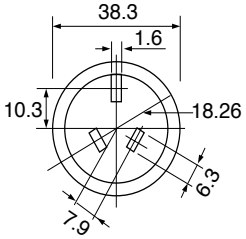
¡ÆTHE PART LIST OF DRUM & TUB ASSY

L/No.	PART NAME	PART NO.	SVC CORD	Q¡TY	SPEC
C-1	BOLT ASSY	4011FR3173A		1	
C-2	BELT, POLY-V	4400FR3116A	R	1	
C-3	PULLEY	4560FR1149A	R	1	
C-4	TUB ASSY	3045FR0031C		1	
C-5	BRACKET	4810FR4167A		1	
C-6	SPRING	4970FR2084F	R	1	
C-7	SCREW	1SZZFA4362A		2	
C-8	SCREW	1SZZFR4174A		2	
C-9	BRACKET, MOTOR	4810FR1197A		1	
C-10	SCREW	1SZZFA4362A		4	
C-11	MOTOR ASSY	4681FR1241B	R	1	220-240VDC
C-12	DAMPER ASSY	4901FR2080A	R	2	
C-13	HINGE	4774FR3118A	R	4	
C-14	BOLT ASSY	4011FR3173B		3	
C-15	WEIGHT, BALANCE LOWER	4844FR1283A		1	
C-16	CLAMP	4860FR3092C		1	
C-17	HOSE(SENSOR)	5214FR4125J	R	1	
C-18	CHAMBER, AIR	3504FR3134A	R	1	
C-19	CLAMP, HOSE	4861FR3068C		3	
C-20	BELLOWS	4738FR1145A	R	1	
C-21	CLAMP, HOSE	4861FR3068E		1	
C-22	HOUSING ASSY (MECH), PUMP	3661FR2093	R	1	
C-23	SCREW, TAPPING(+ TURSS HEAD£	1TTL0403018		3	
C-24	PROTECTOR (MECH)	3740FR3043A		1	
C-25	SCREW, TAPPING(+ TURSS HEAD£	1TTL0403318		3	
C-26	HEATER ASSY	5301FR1158A	R	1	220VAC2500W
		5301FR1158B		1	240VAC2000W
		5301FR1158C		1	220VAC2000W
		5301FR1158D		1	230VAC2000W

L/No.	PART NAME	PART NO.	SVC CORD	Q¡TIY	SPEC
C-27	THERMISTOR	6322FR2046B	R	1	
C-31	RUBBER	5040FR4168B	R	4	
C-34	GASKET	4987FR1165B		1	
C-35	COVER, TUB	3044FR0027A	R	1	
C-36	SCREW, TAPPING TURSS HEAD	1TTL0403318		3	
C-37	SEAL	4036FR4123A		1	
C-38	CLAMP, TUB	4860FR4124A		11	
C-39	TUB, DRUM ASSY	3044FR1220D		1	
C-40	SPRING	4970FR2084E		2	
C-41	HOLDER(SPRING)	4930FR3040A	R	3	
C-42	WEIGHT, BALANCE UPPER	4844FR1223A	R	1	
C-43	SCREW	1SZZFA4362A		6	
C-44	BRACKET RIGHT	4810FR4166A		1	
C-45	SCREW	1TTL0503318		12	
C-46	BRACKET UPPER LEFT	4810FR4126A		2	
C-47	TUB GASKET CLAMP ASSY	4861ER2001A		1	
C-49	BRACKET UPPER RIGHT	4180FR4126B		1	
C-50	SCREW	4W51132A		3	

¡ÆAPPENDIX(The type of power cord)

TYPE	TYPE OF PLUG	POWER CORD P/No.
A-1		□ -
A-2		-
B-1		-
B-2		2A 2PIN 3.5Ø□EPIN 5Ø□ 5A 2PIN 5Ø□ EPIN 7Ø□ 15A 2PIN 7Ø□EPIN 8.6Ø□ -
B-3		6411FR1169F
B-5		6411FR1169E
C-1		-

TYPE	TYPE OF PLUG	POWER CORD P/No.
C-2-1	 	-
C-2-2	 	6411FD1096V
C-3-1	 	-
C-3-2	 	-
C-4-2	 	6411FR1169B 6411FR1169N
C-5	 	-
S-2-1	  	6411FR1169D 6411FR1169P 6411FR1169Q